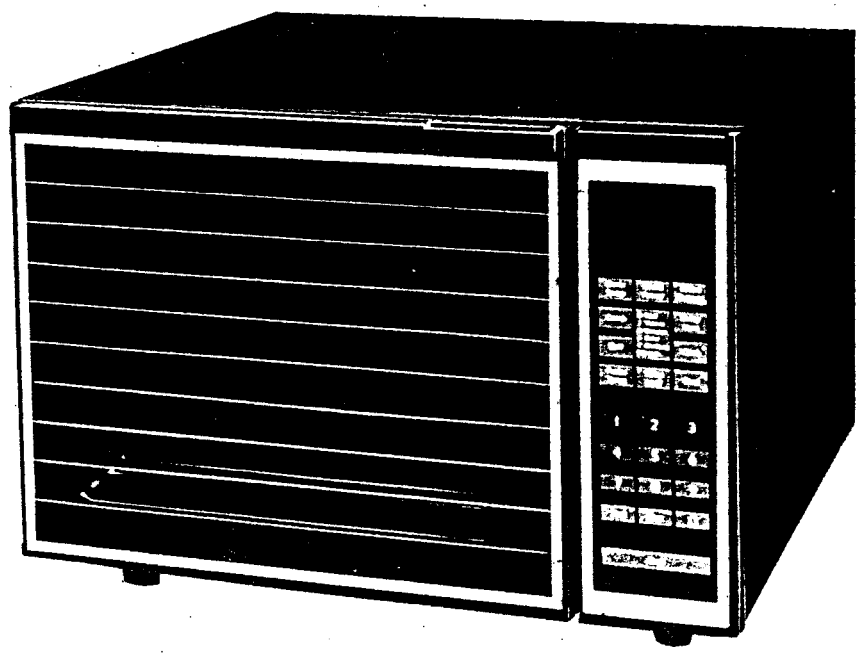
HITACHI

MICROWAVE/CONVECTION OVEN MR-9000HR

OPERATING GUIDE



50 Hz

Note:
1. When shipped from the factory, this product is adjusted for 50Hz.
2. When selecting the frequency, refer to adjustment method on page 4 in this operating guide.

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PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

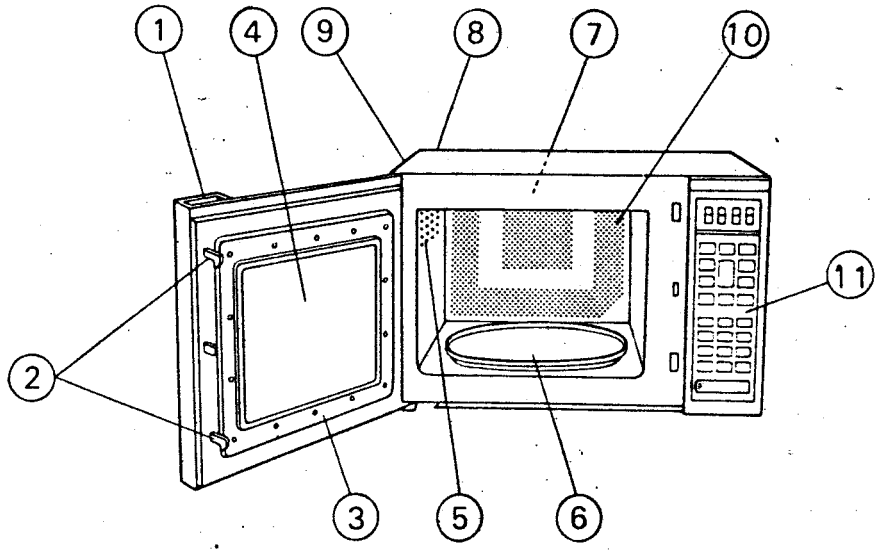
(a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

(b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.

(c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the: (1) Door (bent), (2) Hinges and latches (broken or loosened), (3) Door seals and sealing surfaces.

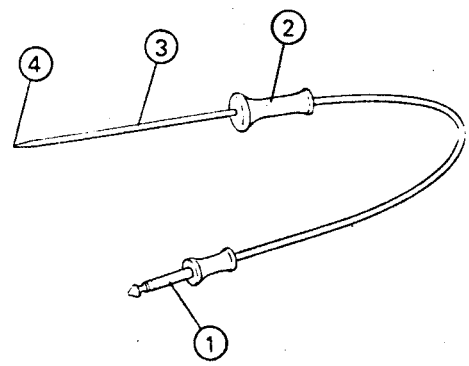
(d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

FEATURE DIAGRAM



1. DOOR HANDLE – Oven will not operate unless door is securely closed.
2. DOOR LATCH – Press down handle to unlatch.
3. SEALING SURFACE – Keeps microwaves inside oven.
4. VIEWING WINDOW – Cooking can be viewed through the fine mesh metal screen that acts as a safety shield.
5. OVEN LIGHT – Glare free light illuminates oven cavity during oven operation and while door is open.
6. TURNTABLE (CERAMIC) – Removable and dishwasher safe. Rotates when oven is on in Microwave, Convection and Combination Cooking. However, this turntable automatically stops rotating in Grill Cooking.
7. TEMPERATURE PROBE RECEPTACLE – Connect Temperature Probe Plug to oven ceiling receptacle to cook with Temperature Probe Cooking.
8. OVEN VENTS – Exhaust heat and moisture from oven cavity. It is located at the back of this oven.
9. OVEN LIGHT COVER – On the left side of outer cabinet. Can be easily removed for replacement of oven light.
10. CONVECTION HEATING VENTS – Hot air is blown out through this hole during Convection and Combination Cooking.
11. TOUCH CONTROL PANEL – Touch to enter programs. See close-up view on page 6.

TEMPERATURE PROBE



1. PROBE PLUG – Plugs into Temperature Probe Receptacle.
2. PROBE HANDLE – Insert and remove probe from food by handle.
3. PROBE PORTION – Insert 1" into food. Taking care so that the tip of the probe does not touch bones nor is inserted in a fatty portion.
4. PROBE TIP – Position in centermost part of food.

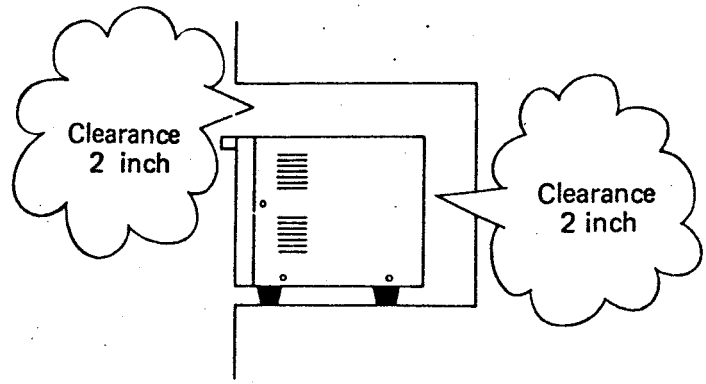
INSTALLATION

* Place the oven on stable and level surface allowing at least 2" clearance at the top, back and sides for adequate ventilation.
  Avoid placing the oven near a range or other heat generating equipment.

* The power supply cord should be securely plugged into the wall receptacle.

* The oven should be placed far enough from a radio-TV antenna or feeder to insure interference free reception.

* When oven is first plugged in, display window will be blank.
  If abnormal figures appear in display window, correct this by removing plug from wall receptacle, waiting 10 seconds, then reinserting plug.



POWER SOURCE

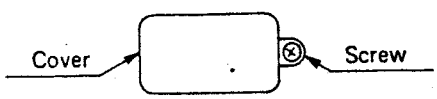
Connect the oven to high capacity appliance outlets providing 120 volts, 50/60Hz with a minimum current rating of 15 amps.

If this oven, or several high power consumption appliances are connected to an AC receptacle line with inadequate capacity, the circuit breaker or fuse for that power line may open, causing loss of power.

Please abjust the Microwave Oven to correspond to the power frequency by properly qualified service personnel. If the frequency is not matched, the oven may not operate normally and it causes troble.

ADJUSTING METHOD

1. Turn off the oven and unplug it.
2. Remove the screw to remove the cover.



3. Press the switch lever and adjust as shown below.

4. Fix the cover using the screw again.

GROUNDING

IMPORTANT – PLEASE READ CAREFULLY FOR PERSONAL SAFETY. THIS APPLIANCE MUST BE PROPERLY GROUNDED.

The power cord on this appliance is equipped with a three-prong (grounding) plug which mates with standard three-prong (grounding) wall receptacle.

DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER CORD PLUG.

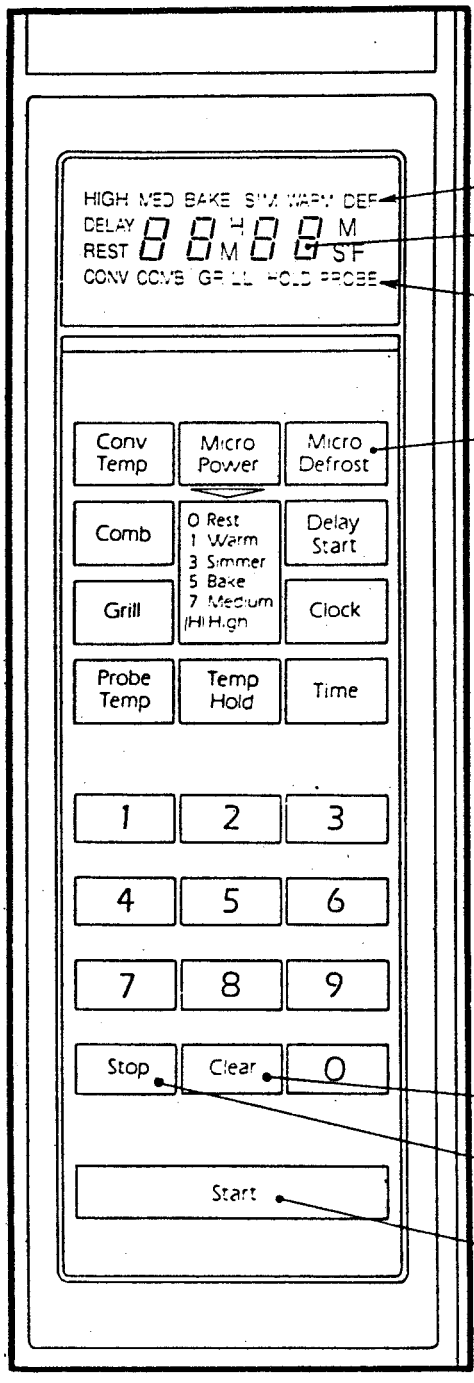
FOR BEST RESULTS IN OPERATION

1. Do not operate the oven empty in Microwave and Combination Cooking.
2. Do not touch the oven wall when removing food after Convection, Combination and Grill Cooking. These heating causes the oven wall to become hot to touch. Use pot holder and handle.
3. Do not pull or hang anything over the oven door.
4. Do not use metal cookware, utensils or dinnerware with metal trim in Microwave and Combination Cooking. Arcing can occur, damaging the oven and dish. See cooking utensils section in this manual.
5. Do not place hot turntable into water just after cooking. This is to avoid breakage or damage to it.
6. Although it is very unlikely, if a fire should occur inside the oven, leave the door closed. Turn power off by disconnecting the plug, or by pressing Stop Pad on control panel.
7. Do not attempt to remove the outer cabinet at any time.
8. Do not let anyone service the oven except an authorized service person. Tampering by unauthorized persons will void the limited warranty.
9. Do not place more than 10 pounds on the turntable and attempt to operate the oven.
   The turntable will not turn.
10. Do not heat a small amount of food for a long time. This causes scorching or burning of the food or fire.

FOR BEST RESULTS IN MICROWAVE COOKING

1. Do not place sealed jars, or food in vacuum tight containers in the oven. This includes naturally air tight foods such as eggs or nuts in their shells. They may explode when heated.
2. Pierce the skins of potatoes, tomatoes and other such foods before cooking.
3. Do not pop popcorn in the oven.
4. Pierce holes in plastic wrap when using it to cover containers. This allows steam to escape.
5. Do not wrap foods in aluminum foil for cooking. Microwaves cannot penetrate metal, therefore, no cooking will take place. Small amounts of foil may be used to shield food areas from overcooking.
6. Do not use wire twist ties on paper or plastic bags. They become hot and can cause a fire. Replace them with string or a strip of plastic.
7. Do not dry wet newspaper in the oven, or use newspaper in the oven to cook on. The newspaper could catch fire.
8. Do not use recycled paper products in the oven. Some recycled paper may contain metal particles which could cause arcing or a fire.
9. When food is removed from the oven, it continues to cook for a short period of time. To avoid overcooking, remove food slightly before it is done and allow for standing time to complete cooking.
10. Moisture condensation around the door or on the oven walls is normal, particularly when cooking foods with a high water content. Steam escapes from the food and condenses on the cool walls and door.
    When the inside top of the oven is wet with steam, wipe it off before inserting the Temperature Probe Plug into the probe receptacle during Temperature Probe Cooking.

CONTROL PANEL DIAGRAM



DISPLAY WINDOW

* Power Indicator Lights (Yellow) ——— ※ NOTE 1.
  Indicate which power is being set or used.
* Digital Display (Green)
  Shows time of day, time left to cook, or temperature, DELAY, REST.
* Function Indicator Lights (Red)
  Indicate which cooking function is being set or used.

FUNCTION AND POWER SELECTION PADS

* CONV TEMP
  Press to program oven temperature in CONVECTION.
* COMB
  Press to program COMBINATION.
* GRILL
  Press to program GRILL.
* PROBE TEMP
  Press to program cooking by temperature probe.
* MICRO POWER
  Press to program microwave power.
* TEMP HOLD
  Press to program temperature hold.
* MICRO DEFROST
  Press to program defrost by microwave.
* DELAY START
  Press to program delay time.
* CLOCK
  Press to set time of day clock.
* TIME
  Press to program cooking by time.

CLEAR
Press to clear all programming.

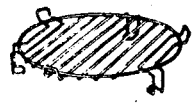
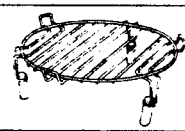
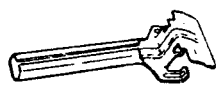
STOP
Press to stop the cooking process.

START
Press to start after all programming has been entered.

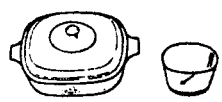
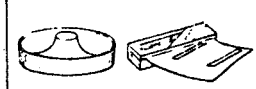
※ NOTE:
The power indications in the DISPLAY WINDOW differ from the power indications shown in the COOK BOOK provided. Therefore, select the power according to the conversion table below.

Power indication in the DISPLAY WINDOW		Power indication on the COOK BOOK
HIGH	⟷	HIGH
MED	⟷	MED. HIGH
BAKE	⟷	MEDIUM
SIM	⟷	MED. LOW
WARM	⟷	LOW

ACCESSORIES

Type of accessories		Description	MICRO-WAVE	CONVEC-TION	COMBI-NATION	GRILL
GRILL RACK		Use when broiling fish or meat.	NO	YES	NO	YES
OVEN TRAY (LOW)		Use when baking cookies or bread, etc. Place it on BAKING RACK which is placed on OVEN TRAY (HIGH).	NO	YES	NO	YES
OVEN TRAY (HIGH)		Use when baking cookies or bread, etc. Place it directly on TURNTABLE	NO	YES	YES	YES
BAKING RACK		Use when roasting and baking foods with OVEN TRAY (HIGH) and TURNTABLE	YES	YES	YES	YES
TURNTABLE (CERAMIC)		Use for any cooking.	YES	YES	YES	YES
HANDLE		Use for taking out GRILL RACK, OVEN TRAY and BAKING RACK.				

COOKING UTENSILS

UTENSILS		MICROWAVE	CONVECTION	COMBINATION	GRILL
Heat-Resistant Glass (Pyrex, Corning, Fire King, etc.®)		YES	YES	YES	YES
Ceramic		YES (Don't use utensils with metal trim)	YES	YES	YES
Metal		NO	YES	NO	YES
Non Heat-Resistant Glass		NO	NO	NO	NO
Microwave Plastics Plastic Films, Wraps		YES	NO	NO	NO
Paper Products Straw, Wicker and Wood		YES	NO	NO	NO

OPERATION PROCEDURE

HOW TO SET THE CLOCK

Clock

Step 1. Press Clock Pad.

0 ------ 9

Step 2. Enter time of day by pressing appropriate Numeric Pads.

Example: To set 12:30 (a.m. or p.m.), press numeric pads as follows.

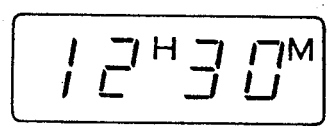
press 1
press 2
press 3
press 0

Clock

Step 3. Press Clock Pad.

—— Time of day is entered and locked into display.

Example:



NOTE: 1) The oven will not accept a time entry higher than 12:59 (e.g. 13:00)

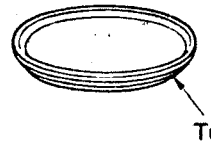
(When a time of more than 12:59 is set, the oven accepts that time but the correct time set before is indicated by the display window)

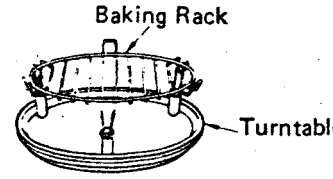
2) To reset time of day in display window, press Clock Pad again to clear the time. Enter the correct time of day by following the above procedure.

MICROWAVE

Use Turntable and Baking Rack accessories.

- 2-level cooking cannot be done with microwave cooking.
- Do not use the Grill Rack in microwave oven.





Place the Baking Rack on the Turntable to use it.

TIME COOKING

One Stage Cooking

[Micro Power]

Step 1. Select cooking power by pressing Micro Power Pad.

— Clock time disappears. Power indicator light "HIGH" appears in display window.

NOTE: Follow the procedure shown in Step 2 when a cooking power other than "HIGH" is selected.

[0] [1] [3] [5] [7]

Step 2. Select cooking power except "HIGH" by pressing Numeric Pads.

— Selected power indicator light turns on.

NOTE: The relation between the cooking power and numeric pad other than "HIGH" is described on the control panel.

(0 — REST, 1 — WARM, 3 — SIMMER
5 — BAKE, 7 — MEDIUM)

[Time]

Step 3. Select time cooking by pressing Time Pad.

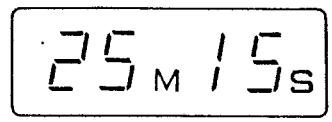
— "S" (meaning second) appears in display window.

[0] ------ [9]

Step 4. Set cooking time by pressing Numeric Pads.

— Cooking time appears in display window in minutes and seconds. (A maximum of 99 minutes and 99 seconds may be programmed)

Example: 25 minutes 15 seconds



(M: Minute
S: Second)

[Step 5. Press Start Pad.]

——— OR ———

Two Stage Cooking

Micro Power

Step 5. Before pressing Start Pad, select second cooking power by pressing Micro Power Pad.

—— • Previously selected time disappears from display window.
• Previously selected power and power indicator light "HIGH" appear.

NOTE: Follow the procedure shown in Step 6 when using a cooking power other than "HIGH".

0 1 3 5 7

Step 6. Select cooking power except "HIGH" by pressing Numeric Pads.

—— Second stage power indicator light turns on.

Time

Step 7. Select time cooking by pressing Time Pad.

—— "S" (meaning second) appears in display window.

0 ------ 9

Step 8. Set second stage cooking time by pressing Numeric Pads.

—— Second stage cooking time appears in display window.

[Step 9. Press Start Pad.]

NOTE: Some examples of 2 stage cooking are:

* HIGH – BAKE
* HIGH – SIMMER

——— OR ———

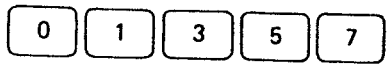
Three Stage Cooking

Micro Power

Step 9. Before pressing Start Pad, select third stage cooking power by pressing Micro Power Pad.

—— • Previously selected time disappears from display window.
• Previously selected power and power indicator light "HIGH" appear.

NOTE: Follow the procedure shown in Step 10 when using a cooking power than "HIGH".

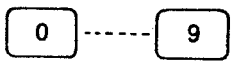


Step 10. Select cooking power except "HIGH" by pressing Numeric Pads.

—— Third stage power indicator light turns on.

Step 11. Select time cooking by pressing Time Pad.

—— "S" (meaning second) appears in display window.



Step 12. Set third stage cooking time by pressing Numeric Pads.

—— Third stage cooking time appears in display window.

Step 13. Press Start Pad.

—— Microwave activity starts. Oven light turns on and turntable rotates. Third stage cooking time disappears and first stage cooking time reappears in display window and begins to count down second by second.
First stage power indicator light turns and stays on. Second and third stage indicator lights disappear.

—— When first stage cooking ends, second stage cooking time reappears in display window and begins to count down. First stage power indicator light turns off and second stage power indicator light turns on.

—— When second stage cooking ends, third stage cooking time reappears in display window and begins to count down. Second stage power indicator light turns off and third stage power indicator light turns on.

—— When third stage cooking ends, oven beeps and shuts off automatically. Turntable stops. Indicator light and oven light turn off. "0" appears in display window.
When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

NOTE: Some example of 3 stage cooking are:

* HIGH – MEDIUM – BAKE
* HIGH – SIMMER – WARM

AUTOMATIC DEFROST

Micro Defrost

Step 1. Press Micro Defrost Pad

—— Clock time disappears. Defrost indicater light "DEF" turns on.

Time

Step 2. Press Time Pad

—— "S" (meaning second) appears in display window.

0 ------ 9

Step 3. Set defrost time by pressing Numeric Pads.

—— Defrost time appears in display window in minutes and seconds (A maximum of 99 minutes and 99 seconds may be programmed.)

Start

Step 4. Press Start Pad.

—— Oven light turns on; micro-defrosting begins. Turntable begins to rotate.

—— Defrosting time counts down second by second.

—— After the programmed defrost time, there will be an automatic 10 minute holding period.
This will allow the temperature of the food to equalize, providing more even defrosting.
During this 10 minute hold period, the timer will count down from 10 minutes.

—— When defrosting is completed, oven beeps and shut off automatically.
Turntable stops. Defrost indicator light and oven light turn off.
"0" appears in display window.
When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

TEMPERATURE PROBE COOKING

One Stage Cooking

Step 1. **Insert temperature probe horizontally into center of food and place in oven. Connect Temperature Probe Plug to Probe Receptacle.**

Micro Power

Step 2. **Select cooking power by pressing Micro Power Pad.**

—— Clock time disappears. Power indicator light "HIGH" appears in display window.

NOTE: Follow the procedure shown in Step 3 when using a cooking power other than "HIGH".

0 1 3 5 7

Step 3. **Select cooking power except "HIGH" by pressing Numeric Pads.**

—— Selected power indicator light turns on.

NOTE: The relation between the cooking power and numeric pad other than "HIGH" is described on the control panel.

(0 – REST, 1 – WARM, 3 – SIMMER
5 – BAKE, 7 – MEDIUM)

Probe Temp

Step 4. **Select temperature probe cooking by pressing Probe Temp Pad.**

—— Probe Temp indicator light "PROBE" and "°F" appear in display window.

NOTE: When the temperature probe plug is not inserted into the probe receptacle, the "PROBE" indicator blinks.

0 ------ 9

Step 5. **Select temperature of food by pressing Numeric Pads.**

—— Selected temperature appears in display window.

NOTE: Food temperature selections must be made within 100°F – 200°F range.

[Step 6. Press Start Pad.]

———— OR ————

Two Stage Cooking

Micro Power

Step 6. Before pressing Start Pad, select second cooking power by pressing Micro Power Pad.

—— • Previously selected temperature disappears from display window.
• Previously selected power and power indicator light "HIGH" appear.

NOTE: Follow the procedure shown in Step 7 when using a cooking power other than "HIGH".

0 1 3 5 7

Step 7. Select cooking power except "HIGH" by pressing Numeric Pads.

—— Second stage power indicator light turns on.

Probe Temp

Step 8. Select temperature probe cooking by pressing Probe Temp Pad.

—— "°F" appears in display window.

0 ------ 9

Step 9. Select second stage temperature of food by pressing Numeric Pads.

—— Selected temperature appears in display window.

[Step 10. Press Start Pad.]

NOTE: Some examples of 2 stage cooking are:

* HIGH – BAKE
* MEDIUM – TEMP HOLD

———— OR ————

Three Stage Cooking

Micro Power

Step. 10 Before pressing Stard Pad, select third stage cooking power by pressing Micro Power Pad.

—— • Previously selected temperature disappears from display window.
• Previously selected power and power indicator light "HIGH" appear.

NOTE: Follow the procedure shown in Step 11 when using a cooking power other than "HIGH".

0 1 3 5 7

Step 11. Select cooking power except "HIGH" by pressing Numeric Pads.

—— Third stage power indicator light turns on.

Probe Temp

Step 12. Select temperature probe cooking by pressing Probe Temp Pad.

—— "°F" appears in display window.

0 ------ 9

Step 13. Select third stage temperature of food by pressing Numeric Pads.

—— Selected temperature appears in display window.

Start

Step 14. Press Start Pad.

—— Oven light turns on. Microwave cooking begins.
Turntable begins to rotate.
First stage power indicator light turns and stays on, second and third stage indicator lights disappear.
Current temperature of food is displayed in rising 5°F increments starting at 100°F.
If starting temperature is lower than 100°F, "°F" (meaning lower than 100°F.) will be displayed until food reaches 100°F.

—— When first stage cooking ends, second stage power indicator light turns on. Current temperature continues to be displayed.

—— When second stage cooking ends, third stage power indicator light turns on. Current temperature continues to be displayed.

—— When third stage cooking ends, oven beeps and shuts off automatically. Power indicator light and Probe Temp indicator light "PROBE" turn off. Oven light turns off. Turntable stops. "0" appears in display window.
When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

NOTE 1) Temperature selections must be made within 100° – 200°F range. If a temperature below 100°F is entered, e.g. 80°F, the oven will accept 80°F but cook to 100°F. If a temperature above 200°F is entered, e.g. 225°F, the oven will accept 225°F but cook to 200°F.

2) In case a lower temperature than first stage is set for second stage (Example: 160°F for first stage and 140°F for second stage), microwave activity automatically stops when first stage temperature (160°F) is reached.

3) In case a lower temperature than second stage is set for third stage, oven works as in example given above.

4) Pressing Probe Temp Pad during cooking, shows the selected food temperature you programmed in display window.

Step 15. Remove temperature probe from oven ceiling receptacle.

NOTE: Some examples of 3 stage cooking are:

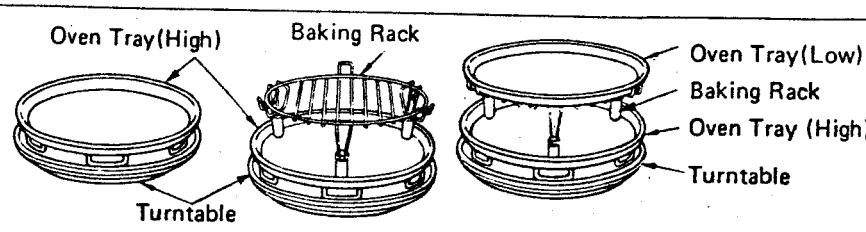
* HIGH – MEDIUM – SIMMER
* HIGH – BAKE – TEMP HOLD

IMPORTANT:

1) Do not allow the temperature probe to touch the rack, the oven interior or any metal utensils. Arcing may occur and damage to the oven, probe, racks may result.
2) Do not leave temperature probe plugged in when oven is empty.
3) Probe should be inserted at least one inch into center of food to insure accurate temperature reading. If probe is not inserted securely into food, it may fall out and arcing (bluish sparks) may result.
4) Remove probe from oven after cooking. Do not store probe inside oven cavity. Should oven be turned on accidentally, damage to probe and/or oven may result.
5) Do not use your temperature probe in other manufacture's oven. Also do not use any other manufacturer's probes in your Microwave/Convection oven.
6) Do not attempt to insert probe into solidly frozen foods. Damage to probe may result.
7) Do not hit or drop probe. Damage may occur causing incorrect temperature readings and inaccurate cooking results.
8) Use pot holders when removing probe from oven ceiling receptacle. Microwave, Convection or Combination cooking causes probe to become very hot to touch.
9) Connection or removal of temperature probe during any cooking program or during a temporary stop in the middle of cooking will cancel remaining program.

CONVECTION

Use Turntable, Baking Rack and Oven Tray (High, Low) accessories.



(2-LEVEL COOKING)

PREHEATING

Preheating is not required except when indicated in recipes.
Preheating is used only with Convection and Grill Cooking. It is not applicable to Combination or Microwave Cooking.
Where indicated, preheat using only the CONVECTION setting.

Example: To preheat at 300°F for 10 minutes.

Step 1. Press Conv Temp Pad.
Step 2. Select preheat temperature (300°F) by pressing Numeric Pads.
Step 3. Press Time Pad.
Step 4. Set 10 minutes by pressing Numeric Pads.
Step 5. Press Start Pad.

— When time has elapsed, oven beeps and automatically shuts off.

NOTE: Place the turntable inside the oven to apply preheating.

TIME COOKING

Conv Temp

Step 1. Select convection cooking by pressing Conv Temp Pad.

— Clock time disappears. Convection indicator light "CONV" and "°F" appear in display window.

0 ------ 9

Step 2. Select oven temperature by pressing Numeric Pads.

— Selected oven temperature appears in display window.

NOTE: Oven temperature selections must be made within 200°F – 450°F range.

Time

Step 3. Select time cooking by pressing Time Pad.

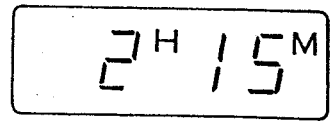
— "M" (meaning minute) appears in display window.

0 ------ 9

Step 4. Set cooking time by pressing Numeric Pads.

— Previously selected oven temperature disappears. Cooking time appears in display window in hours and minutes. (A maximum of 9 hours and 99 minutes may be programmed.)

Example: 2 hours 15 minutes



(H: Hour
M: Minute)

Start

Step 5. Press Start Pad.

—— Oven light turns on. Convection cooking begins Turntable begins to rotate.

—— Cooking time counts down minute by munite.

—— When cooking is completed, oven beeps and shuts off automatically. Turntable stops.
CONV indicator light and oven light turn off.
"0" appears in display window.

When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

TEMPERATURE PROBE COOKING

Step 1. Insert temperature probe horizontally into center of food and place in oven. Connect Temperature Probe Plug to Probe Receptacle.

Conv Temp

Step 2. Select convection cooking by pressing Conv Temp Pad.

—— Clock time disappears. Convection indicator light "CONV" and "°F" appear in display window.

0 ------ 9

Step 3. Select oven temperature by pressing Numeric Pads.

—— Selected oven temperature appears in display window.

Probe Temp

Step 4. Select temperature probe cooking by pressing Probe Temp Pad.

—— Previously selected temperature disappears. Probe Temp indicator light "PROBE" and "°F" appears in display window.

NOTE: When the temperature probe is not inserted into the probe receptacle, the "PROBE" indicator blinks.

0 ------ 9

Step 5. Select temperature of food by pressing Numeric Pads.

—— Selected temperature appears in display window.

NOTE: Food temperature selections must be made within 100°F – 200°F range.

Start

Step 6. Press Start Pad

—— Convection cooking begins. Oven light turns on. Turntable begins to rotate. Current temperature of food is displayed in rising 5°F increments starting at 100°F. If starting temperature is lower than 100°F., "°F" (meaning lower than 100°F) will be displayed until food reaches 100°F.
If the starting temperature is higher than 100°F, current temperature of food will be displayed and count up in 5°F increments.

—— When food reaches selected temperature, oven beeps and shuts off automatically. Turntable stops. CONV indicator and PROBE indicator light turn off.
Oven light turns off.
When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

NOTE: 1) Oven temperature selections must be made within 200°F–450°F range. If a temperature below 200°F is entered, e.g. 150°F, the oven will accept 150°F, but cook to 200°F. If a temperature above 450°F is entered, e.g. 600°F the oven will accept 600°F but cook to 450°F.

2) Food temperature selections must be made within 100° – 200°F range. If a temperature below 100°F is entered, e.g. 80°F, the oven will accept 80°F · but cook to 100°F. If a temperature above 200°F is entered, e.g. 225°F, the oven will accept 225°F but cook to 200°F.

3) If food is at a higher temperature, when placed in oven, than selected food temperature, oven shuts off immediately after Start Pad is pressed.

4) Pressing Probe Temp Pad during cooking shows the final food temperature you programmed in display window.

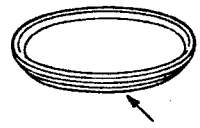
Step 7. Remove temperature probe from oven ceiling receptacle.

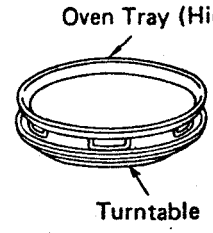
NOTE: Refer to IMPORTANT on page 16, for temperature probe use.

COMBINATION

Use Turntable and Oven Tray (High) accessories.

- 2-level cookin cannet be done in combination cocking.
- Do not use the Grill Rack in combination cooking.





TIME COOKING

Comb

Step 1. Select combination cooking program by pressing Comb Pad.

—— Clock time disappears. COMB indicator light turns on.

Time

Step 2. Select time cooking by pressing Time Pad.

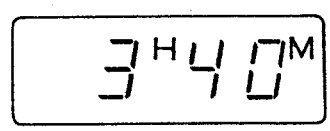
—— "M" (meaning minute) appears in display window.

0 ------ 9

Step 3. Set cooking time by pressing Numeric Pads.

—— Cooking time appears in display window in hours and minutes. (A maximum of 9 hours and 99 minutes may be programmed.)

Example: 3 hours 40 minutes



(H: Hour
M: Minute)

Start

Step 4. Press Start Pad.

—— Oven light turns on. Combination cooking begins. Turntable begins to rotate.

—— Cooking time counts down minute by minute.

—— When cooking is completed, oven beeps and shuts off automatically. Turntable stops.
COMB indicator light and oven light turn off. "0" appears in display window.

When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

TEMPERATURE PROBE COOKING

Step 1. **Insert temperature probe horizontally into center of food and place in oven. Connect Temperature Probe Plug to Probe Receptacle.**

Comb

Step 2. **Select combination cooking program by pressing Comb Pad.**

—— Clock time disappears. COMB indicator light turns on.

Probe Temp

Step 3. **Select temperature probe cooking by pressing Probe Temp Pad.**

—— Probe Temp indicator light "PROBE" and "°F" appear in display window.

NOTE: When the temperature probe is not inserted into the probe receptacle, the "PROBE" indicator blinks.

0 ------ 9

Step 4. **Select temperature of food by pressing Numeric Pads.**

—— Selected temperature of food appears in display window.

Start

Step 5. **Press Start Pad.**

—— Oven lamp turns on. Combination cooking begins. Turntable begins to rotate.
Current temperature of food is displayed in rising 5°F. increments starting at 100°F. If starting temperature is lower than 100°F, "°F" (meaning lower than 100°F) will be displayed until food reaches 100°F.

—— When food reaches selected temperature of food, oven beeps and shuts off automatically. Turntable stops. COMB indicator and PROBE indicator light turn off. Oven light turns off. "0" appears in display window.

When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

NOTE: 1) Food temperature selections must be made within 100°F – 200°F range. If a temperature below 100°F is entered, e.g. 80°F, the oven will accept 80°F but cook to 100°F. If a temperature above 200°F is entered e.g. 225°F, the oven will accept 225°F but cook to 200°F.

2) If food is at a higher temperature, when placed in oven, than selected food temperature, oven shuts off immediately after Start Pad is pressed.

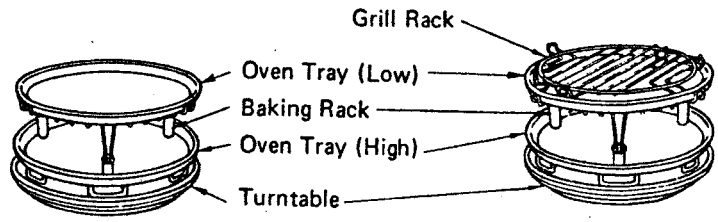
3) Pressing Probe Temp Pad during cooking shows the final food temperature you programmed in display window.

Step 6. **Remove temperature probe from oven ceiling receptacle.**

NOTE: Refer to IMPORTANT on page 16, for temperature probe use.

GRILL

Use Turntable, Oven Tray (High, Low), Baking Rack and Grill Rack accessories.



(Used for almost grill cooking) (Used for baking fish or meat)

Grill

Step 1. Press Grill Pad.

—— Clock time disappears. Grill indicator light "GRILL" turns on.

Time

Step 2. Select time cooking by pressing Time Pad.

—— "M" (meaning minute) appears in display window.

0 ------ 9

Step 3. Select cooking time by pressing Numeric Pads.

—— Cooking time appears in display window in hours and minutes. (A maximum of 9 hours and 99 minutes may be programmed.)

Example: 1 hours 5 minutes

(H: Hour
M: Minute)

Start

Step 4. Press Start Pad.

—— Oven light turns on. Grill cooking begins. Turntable does not begins to rotate.

—— Cooking time counts down minute by minute.

—— When cooking is completed, oven beeps and shuts off automatically.
GRILL indicator light and oven light turn off.
"0" appears in display window.

When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

IMPORTANT:

Temperature Probe Cooking is not possible during Grill Cooking. Grill setting is not possible when the temperature probe is inserted.

HOW TO USE SPECIAL CONTROLS

TEMP HOLD

The oven will keep food warm when Temperature Hold is used in conjunction with microwave temperature probe cooking operation by holding final temperature of food you select.

Step 1. **Insert temperature probe horizontally into center of food and place in oven. Connect Temperature Probe Plug to Probe Receptacle.**

Desired Temp. Probe Cooking Program

Step 2. **Program desired one or two stage temperature probe cooking for microwave according to directions already given in this manual.**

—— Selected temperature probe cooking program and indicator light appear in display window.

Temp Hold

Step 3. **After having selected temperature probe cooking program, press Temp Hold Pad.**

—— Previously selected temperature disappears. Temp Hold indicator light "HOLD" and "S" appear in display window.

0 ------ 9

Step 4. **Set desired holding time by pressing Numeric Pads.**

—— Selected time appears in display window in minutes and seconds. (A maximum of 99 minutes and 99 seconds may be programmed.)

Start

Step 5. **Press Start Pad.**

—— Oven light turns on. Turntable begins to rotate. Temp Hold indicator light "HOLD" disappears. Appropriate indicator light stays on.

—— When oven cooks to specific temperature of food, "HOLD" indicator light turns on. Selected hold time appears in minuted and seconds in display window.
The hold time counts down second by second.

—— At the end of time, oven beeps and shuts off automatically. Hold indicator light turns off.
Turntable stops and oven light turns off.
"0" appears in display window.

When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

Step 6. Remove temperature probe from oven ceiling receptacle.

NOTE: 1) Some examples of Temp Hold are:

* MICROWAVE(TIME)–MICROWAVE(TEMP)–TEMP HOLD
* MICROWAVE(TEMP)–TEMP HOLD–MICROWAVE (TIME or TEMP)
* MICROWAVE(TEMP)–MICROWAVE(TEMP)–TEMP HOLD

2) Any of the above combinations may be preceded by DELAY START.

DELAY START

Delay Start

Step 1. Press Delay Start Pad.

—— Clock time disappears from display window. DELAY indicator light turns on and "M" (meaning minute) appears in display window.

0 ------ 9

Step 2. Set desired amount of time for which you want to delay the start of cooking by pressing Numeric Pads.

—— Selected amount of time appears in display window in hours and minutes.
(A maximum of 9 hours and 99 minutes may be programmed.)

Desired Microwave Program

Step 3. Program desired cooking according to directions already given in this manual, i.e. Microwave Cooking, not Convection, Combination and Grill Cooking.

—— Delay time disappears. Selected program and indicator light appear in display window.

Start

Step 4. Press Start Pad

—— Selected program disappears. Oven light does not turn on; no cooking activity begins. Turntable does not rotate. Time of day appears. DELAY indicator light and other indicator lights stay on.

—— When delay time has elapsed, oven enters into previously selected cooking function. Oven light turns on and turntable begins to rotate.
DELAY indicator light turns off.

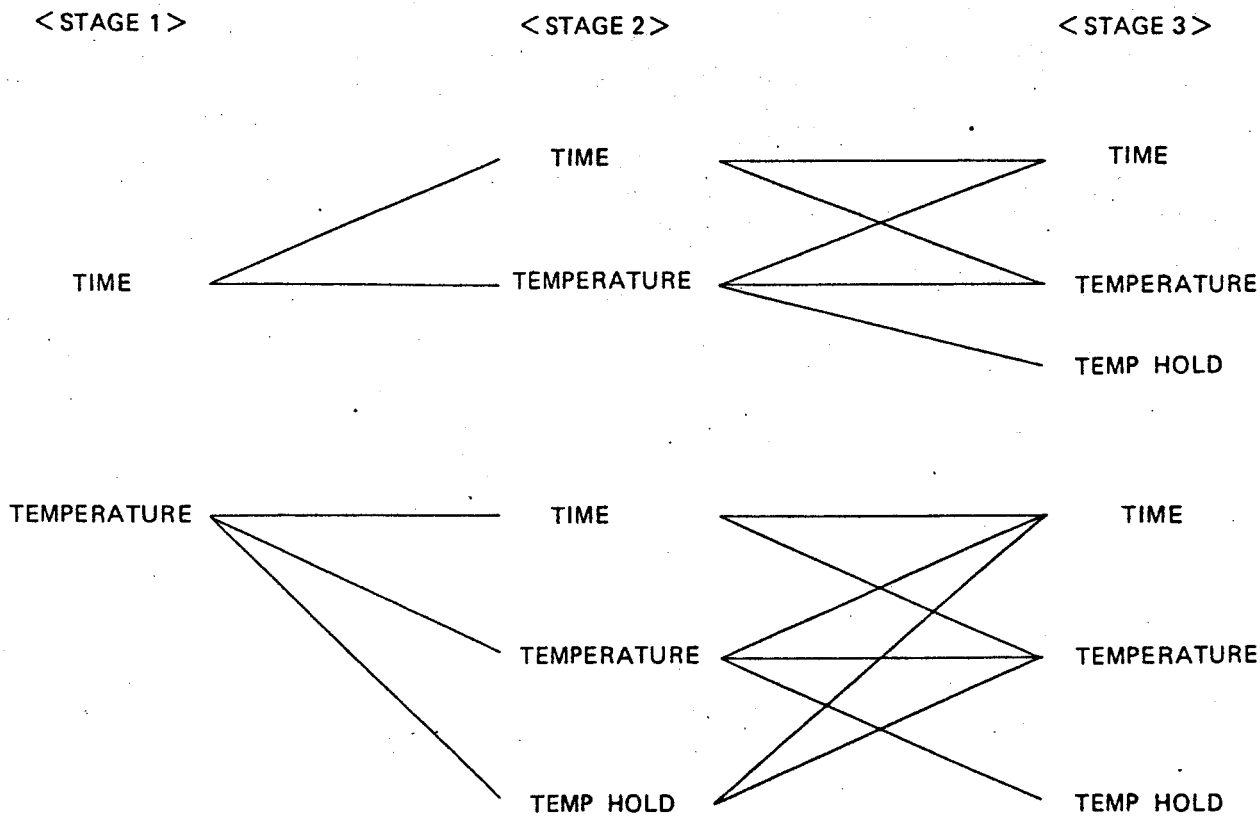
—— When cooking is completed, oven beeps and shuts off automatically. Turntable stops. Oven light and other indicator light turn off.
"0" appears in display window.

When the door is open or the Clear Pad is pressed, the "time of day" appears in the display window.

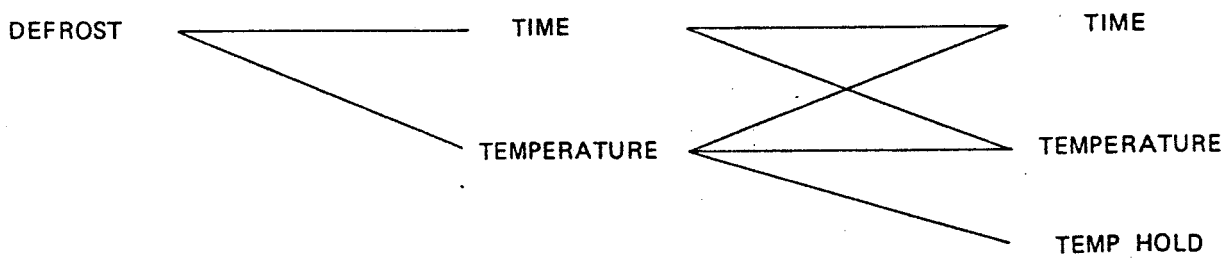
NOTE: To recall how much time is left until starting time, press Delay Start Pad.

SUMMARIZING MICROWAVE COOKING

The following chart shows the combinations that are possible with Microwave Cooking.



Any of the above combinations may be preceded by DELAY START.



CARE AND CLEANING OF THE OVEN

BE SURE THE OVEN IS TURNED OFF BEFORE CLEANING ANY PART.

INTERIOR

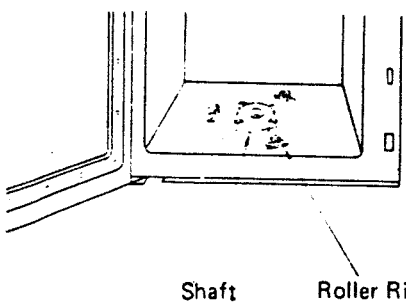
1. The interior sides, ceiling and floor of the oven are stainless steel. Clean with a damp sudsy cloth, rinse with a clean moist cloth and wipe dry. To prevent baked-on soil, clean splatters as they occur.

2. The interior back panel of the cavity is covered with a catalytic (continuous cleaning) coating. Clean with a damp sudsy cloth, rinse with a clean moist cloth and wipe dry. DO NOT use cleaners, cleansers or scouring pads; they will damage the surface.

3. Wash the turntable in warm sudsy water or in the dishwasher. Cool Turntable completely before washing. If grease accumulates or is difficult to remove, the turntable may be cleaned with a nonabrasive nylon mesh scouring pad and nonabrasive cleanser.

4. Any splatters or food soil should be wiped off the oven-door while they are still warm. Use a sudsy cloth, rinse with a clean moist cloth and wipe dry.

5. When oil or food-refuse adheres to the shaft and roller ring, etc., wipe it off using a soft cloth.
   When the dirt is serious, wipe it off using a cloth moistened with neutral detergent.
   If it is left as it is, it can cause partial heating resulting in breakage or corrosion.



Shaft Roller Ring

EXTERIOR

1. The outside oven surfaces should be cleaned with a damp soapy cloth, rinsed and dried with a soft cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.

2. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the oven is operated under high humidity conditions and in no way indicates malfunction of the unit.

3. DO NOT USE OVEN CLEANER. It will damage some of the interior and exterior surfaces of the oven.

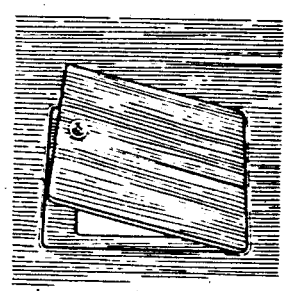
TEMPERATURE PROBE

Clean probe with a soft cloth and mild detergent. Do not immerse probe in water or wash in dishwasher.

REPLACEMENT OF OVEN LIGHT

When the oven light becomes defective, you can replace it yourself. Please follow the directions below carefully.

Step 1. Turn off the oven and unplug it.
Step 2. Remove the screw from the oven light cover which is located on the left side of the cabinet.
Do not remove any other panels from the unit.
Step 3. Replace the oven light with only 120V, 25 W bulb, or if this bulb is not available locally simply contact the nearest authorized Parts Department.
Step 4. Replace the oven light cover.



STORAGE

If you must store your microwave oven, choose a dry, dust-free place. Dust and dampness can affect the oven's working parts.

RECOMMENDATIONS

Becoming familiar with any new appliance takes a little time. If you experience any of the problems listed below, try our solutions. They may save you the time and inconvenience of an unnecessary service call.

1. Food is not cooked at all.
   1. Have you set time and pressed Start Pad?
   2. Is the door closed?
   3. Have you overloaded the circuit and caused a fuse to blow?

2. Food is overcooked or undercooked.
   1. Did you set the proper time?
   2. Did you select the proper power level?

3. Sparks and cracking within oven interior (arcing).
   1. Have you been using dishes with metal trim?
   2. Have you left a fork or other metal utensil or foil close to interior walls?

4. Condensation on door inside or interior walls.
   This is normal, especially with high moisture foods.

5. Air movement around door.
   This is normal. The door is not meant to be air-tight.

6. Light reflection around door or outer case.
   This is normal.

7. Steam or vapor escaping from around door or vent.
   This is normal.

8. Smoke comes out from the vents:
   (In Convention, Combination and Grill Cooking).
   This is normal.

SPECIFICATIONS

Power Source:	120 Volts A.C., 50/60Hz Single Phase Minimum 15 Amp. circuit Three-wire grounding
Power Output:	700 Watts (2 liter water load) (Microwave)
Power Consumption:	1400 Watts (Microwave) 1330 Watts (Convection, Combination) 1450 Watts (Grill)
Oscillating Frequency:	2450 MHz
Exterior Dimensions:	Width 23-1/2" (596 mm) Depth 22-1/2" (570 mm) Height 16-3/8" (416 mm)
Oven Dimensions:	Width 14-3/8" (365 mm) Depth 16" (406 mm) Height 9-1/2" (235 mm)
Oven Capacity:	1.3 cu.ft
Weight:	98 lbs. (44.5kg)
Timer:	99 minutes 99 seconds/9 hours 99 minutes

(Specifications subject to change without notice.)